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Applied Mechanics Reviews, monthly
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1977 Biomechanics Symposium-AMD-Vol. 23
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Computing Methods in Geophysical Mechanics-AMD-Vol. 25
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HOW TO FIND PAPERS PRESENTED AT 1977 ASME MEETINGS

The technical programs of the meetings of the Society and of its Professional Divisions have been published in MECHANICAL ENGINEERING and may be located by consulting the index on page SR-35. Many of these papers will be published in MECHANICAL ENGINEERING or the *Transactions* and may be located by reference to the indexes of these publications. A free, up-to-date edition of the ASME Technical Papers Catalog is available on request. Xerox copies of out-of-print technical papers may be purchased from the Engineering Societies Library, 345 E. 47th St., New York, N. Y. 10017. Phone (212) 644-7611.

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In order to expedite European orders for the ASME Boiler and Pressure Vessel Code and related titles, special arrangements have been made with the British Standards Institution, (T.H.E.) Maylands Avenue, Hemel Hempstead, Herts HP 2 4SQ, England, to stock and sell these titles.

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A112.21.2-1971 Roof Drains, Book No. J00002, L-$2.75, M-$2.20
A112.21.3-1976 Hydrants for Utility and Maintenance Use, Book No. J00051, L-$4.00, M-$3.20
A112.26.1-1969 (R1975) Water Hammer Arresters, Book No. K00020, L-$4.00, M-$3.20
A112.36.2-1975 Metallic Cleanouts, Book No. J00045, L-$3.00, M-$2.40
A113.1-1964 (R1971) Safety Code for Mechanized Parking Garage Equipment, Book No. M00054, L-$5.00, M-$4.00

Threads & Limits and Fits

B1 Report (1972) ISO Metric Screw Threads (Not an ANSI Standard), Book No. N00046, L-$4.50, M-$3.60
B1.1-1974 Unified Inch Screw Threads (UN and UNR Thread Form), Book No. M00028, L-$15.00, M-$12.00
B1.2-1974 Gages and Gaging for Unified Inch Screw Threads, Book No. N00058, L-$11.00, M-$8.80
B1.5-1977 Acme Screw Threads, Book No. N00027, L-$10.00, M-$8.00
B1.7-1965 (R1972) Nomenclature Definitions and Letter Symbols for Screw Threads, Book No. L00011, L-$3.25, M-$2.60
B1.8-1977 Stub Acme Screw Threads, Book No. N00028, L-$7.50, M-$6.00
B1.9-1973 Buttress Inch Screw Threads 7°/45° Form With 0.6 Pitch Basic Height of Thread Engagement, Book No. N00029, L-$5.00, M-$4.00
B1.10-1958 Unified Miniature Screw Threads, Book No. N00025, L-$3.00, M-$2.40
B1.11-1958 (R1972) Microscope Objective Thread, Book No. N00020, L-$2.25, M-$1.80
B1.12-1972 Class 5 Interference—Fit Thread, Book No. N00032, L-$2.75, M-$2.20
B1.16-1972 American Gaging Practice for Metric Screw Threads, Book No. N00026, L-$5.00, M-$4.00
B1.20.3-1976 Dryseal Pipe Threads (Inch), Book No. N00076, L-$6.00, M-$4.80
B1.20.4-1976 Dryseal Pipe Threads (Metric Translation of ANSI B1.20.3-1976), Book No. N00077, L-$6.00, M-$4.80
B2.1-1968 Pipe Threads (Except Dryseal), Book No. L00018, L-$5.50, M-$4.40
B2.2-1968 Dryseal Pipe Threads, Book No. M00036, L-$5.50, M-$4.40
B2.4-1966 (R1974) Hose Coupling Screw Threads, Book No. K00014, L-$3.25, M-$2.60
B4.1-1967 (R1974) Preferred Limits and Fits for Cylindrical Parts, Book No. L00027, L-$4.00, M-$3.20

Machine Tools

B5.1-1975 T-Slots, Their Bolts, Nuts and Tongues, Book No. M00024, L-$3.00, M-$2.40
B5.5-1959 (R1972) Rotating Air Cylinders and Adapters, Book No. L00031, L-$2.25, M-$1.80
B5.8-1972 Chucks and Chuck Jaws, Book No. J00024, L-$4.50, M-$3.60
B5.9-1967 (R1972) Spindle Noses for Tool Room Lathes, Engine Lathes, Turret Lathes and Automatic Lathes, Book No. M00010, L-$4.00, M-$3.20
B5.10-1963 (R1972) Machine Tapers, Book No. L00004, L-$4.00, M-$3.20
B5.11-1964 (R1973) Spindle Noses and Adjustable Adapters for Multiple Spindle Drilling Heads, Book No. M00008, L-$2.25, M-$1.80
B5.16-1952 (R1972) Accuracy of Engine and Tool Room Lathes, Book No. J00004, L-$2.25, M-$1.80
B5.18-1972 Spindle Noses and Tool Shanks for Milling Machines, Book No. M00009, L-$3.50, M-$2.80
B5.20-1958 Machine Pins, Book No. L00003, L-$2.25, M-$1.80
B5.25-1968 (R1975) Die Sets, Book No. L00027, L-$3.50, M-$2.80
B5.28-1971 Mounting Dimensions of Lubricating and Coolant Pumps for Machine Tools, Book No. L00009, L-$2.75, M-$2.20
B5.32-1977 Grinding Machines, Surface, Reciprocating Table—Horizontal Spindle, Book No. J00028, L-$4.00, M-$3.20
B5.32.1-1977 Grinding Machines, Surface, Reciprocating Table—Vertical Spindle, Book No. J00053, L-$3.00, M-$2.40
B5.33-1970 External Cylindrical Grinding Machines—Plain, Book No. M00038, L-$2.75, M-$2.20
B5.35-1969 (R1975) Machine Mounting Specifications for Abrasive Discs and Plate Mounted Wheels, Book No. M00035, L-$3.50, M-$2.80
B5.37-1970 External Cylindrical Grinding Machines—Centerless, Book No. M00039, L-$2.25, M-$1.80
B5.40-1977 Spindle Noses and Tool Shanks for Horizontal Boring Machines, Book No. M00048, L-$6.00, M-$4.80
B5.41-1968 (R1973) Quill Flanges and Spindle Ends for Upright and Horizontal Drill Spindles for Production Type Drilling Machines, Book No. K00018, L-$2.25, M-$1.80
B5.42-1970 External Cylindrical Grinding Machines—Universal, Book No. M00040, L-$2.50, M-$2.00
B5.43-1971 Modular Machine Tool Standards, Book No. M00021, L-$3.50, M-$2.80
B5.44-1971 Rotary Table Surface Grinding Machines, Book No. M00061, L-$3.50, M-$2.80
B5.45-1972 Milling Machines, Book No. M00067, L-$2.75, M-$2.20
B5.46-1972 Symbols for Machine Tool Indicator Plates, Book No. M00065, L-$4.50, M-$3.60
B5.47-1972 Milling Machine Arbor Assemblies, Book No. M00074, L-$3.50, M-$2.80
B5.48-1977 Ball Screws, Book No. M00089, L-$3.50, M-$2.80
B5.49-1977 Glossary of Mechanical Press Terms, Book No. M00090, L-$3.50, M-$2.80

Gears & Power Transmission Safety

B6.1-1968 (R1974) Tooth Proportions for Coarse-Pitch Involute Spur Gears, Book No. M00011, L-$4.00, M-$3.20
B6.7-1967 (R1974) Tooth Proportions for Fine-Pitch Involute Spur and Helical Gears, Book No. M00026, L-$5.00, M-$4.00
B6.9-1956 (R1962) Design for Fine-Pitch Wormgearing, Book No. J00026, L-$2.25, M-$1.80
B6.12-1964 (R1974) Nomenclature of Gear-Tooth Wear and Failure, Book No. L00012, L-$4.00, M-$3.20
B6.13-1965 (R1974) System for Straight Bevel Gears, Book No. M00020, L-$4.00, M-$3.20
B15.1-1972 Safety Standard for Mechanical Power Transmission Apparatus, Book No. B00009, L-$4.00, M-$3.20

Pipe Flanges, Fittings, Gaskets & Valves

B16.1-1975 Cast Iron Pipe Flanges and Flanged Fittings—Class 25, 125, 250 and 800, Book No. J00017, L-$6.00, M-$4.80
B16.3-1977 Malleable-Iron Threaded Fittings, Class 150 and 300, Book No. L00005, L-$6.00, M-$4.80
B16.4-1977 Cast-Iron Threaded Fittings, Class 125 and 250, Book No. J00022, L-$5.00, M-$4.00
B16.5-1977 Steel Pipe Flanges and Flanged Fittings (Including Ratings for Class 150, 300, 400, 600, 900, 1500, and 2500), Book No. M00015, L-$15.00, M-$12.00
B16.9-1971 Factory-Made Wrought Steel Buttwelding Fittings, Book No. M00014, L-$4.00, M-$3.20
B16.10-1973 Face-to-Face and End-to-End Dimensions of Ferrous Valves, Book No. J00031, L-$4.00, M-$3.20
B16.11-1973 Forged Steel Fittings, Socket-Welding and Threaded, Book No. M00016, L-$3.00, M-$2.40
B16.12-1977 Cast-Iron Threaded Drainage Fittings, Book No. J00021, L-$4.50, M-$3.60
B16.14-1977 Ferrous Pipe Plugs, Bushings and Locknuts with Pipe Threads, Book No. J00032, L-$4.50, M-$3.60
B16.15-1971 Cast Bronze Threaded Fittings, 125 and 250 lb., Book No. J00010, L-$3.50, M-$2.80
B16.18-1972 Cast Bronze Solder Joint Pressure Fittings, Book No. J00015, L-$3.50, M-$2.80
B16.20-1973 Ring-Joint Gaskets and Grooves for Steel Pipe Flanges, Book No. L00030, L-$4.50, M-$3.60
B16.21-1962 Nonmetallic Gaskets for Pipe Flanges, Book No. L00015, L-$3.00, M-$2.40
B16.22-1973 Wrought Copper and Bronze Solder-Joint Pressure Fittings, Book No. M00030, L-$3.50, M-$2.80
B16.23-1976 Cast Copper Alloy Solder Joint Drainage Fittings - DWV, Book No. J00014, L-$15.00, M-$12.00
B16.24-1971 Bronze Flanges and Flanged Fittings, 150 and 300 lb., Book No. J00009, L-$3.50, M-$2.80
B16.25-1972 Buttwelding Ends, Book No. J00013, L-$4.00, M-$3.20
B16.26-1975 Cast Copper Alloy Fittings for Flared Copper Tubes, Book No. J00008, L-$3.00, M-$2.40
B16.28-1964 (R1972) Wrought Steel Buttwelding Short Radius Elbows and Returns, Book No. M00053, L-$4.00, M-$3.20
B16.29-1973 Wrought Copper and Wrought Copper Alloy Solder-Joint Drainage Fittings, Book No. N00057, L-$4.00, M-$3.20
B16.31-1971 Non-Ferrous Pipe Flanges, 150, 300, 400, 600, 900, 1500 and 2500 lb., Book No. J00042, L-$4.00, M-$3.20
B16.32-1973 Cast Bronze Solder - Joint Fittings for Solvent Drainage Systems, Book No. J00044, L-$3.50, M-$2.80
B16.33-1973 Small Manually Operated Metallic Gas Valves in Gas Distribution Systems Whose Maximum Allowable Operating Pressure Does Not Exceed 60 PSIG or 125 PSIG, Book No. J00006, L-$4.00, M-$3.20
B16.34-1977 Steel Valves (Flanged and Buttwelding End), Book No. J00018, L-$15.00, M-$12.00
B16.36-1975 Steel Orifice Flanges, Class 300, 600, 900, 1500 and 2500, Book No. J00046, L-$4.00, M-$3.20
B16.39-1977 Malleable Iron Threaded Pipe Unions, Class 150, 250 and 300, Book No. L00049, L-$4.00, M-$3.20

Fasteners & Keys

B17.1-1967 (R1973) Keys and Keyseats, Book No. J00038, L-$2.75, M-$2.20
B17.2-1967 (R1972) Woodruff Keys and Keyseats, Book No. J00037, L-$2.75, M-$2.20
B18.1.1-1972 Small Solid Rivets, Book No. M00006, L-$3.50, M-$2.80
B18.1.2-1972 Large Rivets, Book No. K00023, L-$2.75, M-$2.20
B18.2.1-1972 Square and Hex Bolts and Screws, Book No. M00014, L-$4.50, M-$3.80
B18.2.2-1972 Square and Hex Nuts, Book No. M00043, L-$4.50, M-$3.80
B18.3-1977 Socket Cap, Shoulder and Set Screws—Inch Series, Book No. M00007, L-$6.00, M-$4.80
B18.5-1971 Round Head Bolts, Book No. L00032, L-$3.25, M-$2.60
B18.6.1-1972 Wood Screws, Book No. M00005, L-$4.00, M-$3.20
B18.6.2-1972 Slotted Head Cap Screws, Square Head Set Screws and Slotted Headless Set Screws, Book No. K00012, L-$4.00, M-$3.20
B18.6.3-1972 Machine Screws and Machine Screw Nuts, Book No. M00004, L-$9.50, M-$7.60
B18.6.4-1966 (R1975) Slotted and Recessed Head Tapping Screws and Metallic Drive Screws, Book No. N00021, L-$6.00, M-4.80
B18.7-1972 General Purpose Semi-Tubular Rivets, Full Tubular Rivets, Split Rivets and Rivet Caps, Book No. N00059, L-$3.50, M-$2.80
B18.8.1-1972 (R1977) Clevis Pins and Cotter Pins, Book No. L00024, L-$2.75, M-$2.20
B18.9-1958 (R1977) Plow Bolts, Book No. L00021, L-$2.75, M-$2.20
B18.10-1963 (R1975) Track Bolts and Nuts, Book No. M00025, L-$2.75, M-$2.20
B18.11-1961 (R1975) Miniature Screws, Book No. K00037, L-$2.75, M-$2.20
B18.12-1962 (R1975) Glossary of Terms for Mechanical Fasteners, Book No. M00046, L-$6.50, M-$5.20

B18.13-1965 (R1975) Screw and Washer Assemblies—Sems, Book No. N00043, L-$3.50, M-$2.80
B18.15-1969 Forged Eyebolts, Book No. M00037, L-$3.50, M-$2.80
B18.17-1968 (R1975) Wing Nuts, Thumb Screws and Wing Screws, Book No. J00005, L-$3.50, M-$2.80
B18.21.1-1972 Lock Washers, Book No. L00002, L-$3.50, M-$2.80
B18.22.1-1965 (R1975) Plain Washers (Redesignation of B27.2-1965), Book No. L00019, L-$2.75, M-$2.20
B18.23.1-1967 (R1975) Beveled Washers (Redesignation of B27.4-1967), Book No. L00006, L-$2.25, M-$1.80

Transmission Chains, Washers, Conveyors & Compressors

B19.3-1972 Safety Standard for Compressors for Process Industries, Book No. B00003, L-$3.50, M-$2.80
B20.1-1976 Safety Standards for Conveyors and Related Equipment, Book No. B00005, L-$4.00, M-$3.20
B27.5-1969 General Purpose Rectangular Uniform Section Retaining Rings, Book No. L00023, L-$2.75, M-$2.20
B27.6-1972 (R1977) General Purpose Uniform Cross Section Spiral Retaining Rings, Book No. L00037, L-$5.00, M-$4.00
B29.1-1975 Precision Power Transmission Roller Chains Attachments and Sprockets, Book No. M00050, L-$7.50, M-$6.00
B29.2-1957 (R1971) Inverted Tooth (Silent) Chains and Sprocket Teeth, Book No. M00002, L-$3.50, M-$2.80
B29.3-1954 (R1974) Double-Pitch Power Transmission Roller Chains and Sprockets, Book No. K00075, L-$4.00, M-$3.20
B29.4-1972 Double-Pitch Conveyor Roller Chains, Attachments, and Sprockets, Book No. M00072, L-$4.25, M-$3.40
B29.6-1972 Steel Detachable Link Chains, Attachments and Sprockets, Book No. M00066, L-$5.50, M-$4.40
B29.7-1971 Malleable Iron Detachable Link Chain and Attachments, Book No. M00018, L-$4.50, M-$3.60
B29.8-1977 Leaf Chain, Clevises and Sheaves, Book No. M00003, L-$5.00, M-$4.00
B29.9-1958 (R1974) Small Pitch Silent Chains and Sprocket Tooth Form Less Than 3/8" Pitch, Book No. K00077 L-$2.75, M-$2.20
B29.10-1972 Heavy Duty Offset Sidebar Power Transmission Roller Chains and Sprocket Teeth, Book No. M00078, L-$5.00, M-$4.00
B29.11-1974 Combination Chains, Attachments and Sprocket Teeth, Book No. K00081, L-$5.50, M-$4.40
B29.12-1974 Steel Bushed Rollerless Chains, Attachments and Sprocket Teeth, Book No. K00030, L-$3.50, M-$2.80
B29.13-1972 700 Class Pintle Chains, Attachments and Sprocket Teeth, Book No. M00064, L-$3.50, M-$2.80
B29.14-1971 "H" Type Mill Chains—Attachments and Sprocket Teeth, Book No. M00062, L-$3.50, M-$2.80
B29.15-1973 Heavy Duty Roller Type Conveyor Chains and Sprocket Teeth, Book No. M00079, L-$3.50, M-$2.80
B29.16-1974 Welded Steel Type Mill Chains, Attachments, and Sprocket Teeth, Book No. K00079, L-$4.50, M-$3.60
B29.17-1974 Hinge Type Flat Top Conveyor Chains and Sprocket Teeth, Book No. K00078, L-$3.50, M-$2.80
B29.18-1974 Welded Steel-Type Drag Chains, Attachments, and Sprocket Teeth, Book No. K00080, L-$3.50, M-$2.80
B29.19-1976 A and CA550 and 620 Roller Chains, Attachments, and Sprockets, Book No. K00085, L-$4.50, M-$3.60

Cranes, Derricks, Hoists, Jacks & Slings

B30.1-1975 Jacks, Book No. B00007, L-$4.00, M-$3.20
B30.2.0-1976 Overhead and Gantry Cranes (Top Running Bridge, Multiple Girder), Book No. B00011, L-$6.00, M-$4.80
B30.3-1975 Hammerhead Tower Cranes, Book No. J00033, L-$4.50, M-$3.60
B30.4-1973 Portal, Tower and Pillar Cranes, Book No. J00001, L-$4.50, M-$3.60
B30.5-1968 Crawler, Locomotive and Truck Cranes, Book No. B00012, L-$4.00, M-$3.20
B30.6-1969 Derricks, Book No. B00013, L-$3.25, M-$2.60
B30.7-1971 Base Mounted Drum Hoists, Book No. B00002, L-$3.50, M-$2.80
B30.8-1971 Floating Cranes and Floating Derricks, Book No. J00023, L-$4.50, M-$3.60
B30.9-1971 Slings, Book No. B00010, L-$5.00, M-$4.00
B30.10-1975 Hooks, Book No. J00048, L-$4.00, M-$3.20
B30.11-1973 Monorail Systems and Underhung Cranes, Book No. B00015, L-$4.00, M-$3.20
B30.12-1975 Handling Loads Suspended from Rotorcraft, Book No. J00047, L-$5.50, M-$4.40
B30.13-1977 Controlled Mechanical Storage Cranes, Book No. J00052, L-$6.00, M-$4.80
B30.15-1973 Mobile Hydraulic Cranes, Book No. B00017, L-$5.50, M-$4.40
B30.16-1973 Overhead Hoists, Book No. B00001, L-$4.50, M-$3.60

Piping

Code for Pressure Piping, B31 Interpretations: All current cases, Book No. M00033, L-$13.00, M-$10.40. Three Year Subscription Service, L-$18.00, M-$14.40
Sets forth the conditions under whigh new materials may be used, the Committee's interpretations of code rules as they apply to specific construction problems of code users, and special provisions to cover conditions encountered in nuclear installations. Individual Cases (Book No. M00034) are available at $1.50, ASME members $1.20. Please specify individual Case number.
B31 Guide, Corrosion Control for ANSI B31.1 Power Piping Systems, Book No. A00089, L-$2.00, M-$1.60
B31.1-1977 Power Piping (with Addenda up to the 1980 edition), Book No. A00058, L-$50.00, M-$40.00
B31.2-1968 Fuel Gas Piping, Book No. A00036, L-$5.00, M-$4.00
B31.3-1977 Chemical Plant and Petroleum Refinery Piping (with Addenda up to the 1980 Edition), Book No. A00037, L-$50.00, M-$40.00
B31.4-1974 Liquid Petroleum Transportation Piping Systems (Including 1977 Addenda), Book No. A00038, L-$10.00, M-$8.00
B31.4a-1977 Referenced Standards Addendum to B31.4-1974, Liquid Petroleum Transportation Piping Systems, Book No. A00039, L-$1.25, M-$1.00
B31.5-1974 Refrigeration Piping, Book No. A00040, L-$9.50, M-$7.60
B31.7-1969 Nuclear Power Piping (Including 1971 and 1972 Addenda), Book No. A00042, L-$19.00, M-$15.20
B31.7a-1972 Addenda only, Book No. A00053, L-$1.25, M-$1.00
B31.7b-1971 Addenda only (Includes B31.7a-1971), Book No. A00043, L-$4.25, M-$3.40
B31.7c-1971 Addenda only, Book No. A00044, L-$4.25, M-$3.40
B31.8-1975 Gas Transmission and Distribution Piping Systems, Book No. A00045, L-$15.00, M-$12.00
ASME Guide for Gas Transmission and Distribution Piping Systems—1976 Including all Addenda through December 1978 (See page SR-12—ASME Standards), Book No. A00030, L-$100.00, M-$80.00; Binder for Gas Guide, Book No. A00028, L-$7.50, M-$6.00

Surface Texture, Pipe, Gages, and Industrial Trucks

B32.1-1952 (R1977) Preferred Thickness for Uncoated, Thin, Flat Metals (Under 0.250 in.), Book No. L00025, L-$2.25, M-$1.80
B32.2-1969 (R1974) Preferred Diameters for Round Wire—0.500 inches and under, Book No. M00012, L-$2.25, M-$1.80
B32.3-1977 Preferred Metric Thicknesses and Widths for Flat Metal Products, Book No. L00045, L-$2.50, M-$2.00
B32.4-1977 Preferred Metric Sizes for Round, Square and Hexagon Metal Products, Book No. L00046, L-$2.50, M-$2.00
B36.10-1975 Welded and Seamless Wrought Steel Pipe, Book No. M00031, L-$4.00, M-$3.20
B36.19-1976 Stainless Steel Pipe, Book No. M00013, L-$3.50, M-$2.80
B40.1-1974 Gauges: Pressure and Vacuum, Indicating Dial Type—Elastic Element, Book No. K00015, L-$5.00, M-$4.00
B40.2-1977 Gauges and Indicators: Pressure and Vacuum—Indicating Digital Type, Book No. K00088, L-$7.00, M-$5.60
B46.1-1962 (R1971) Surface Texture, Book No. M00019, L-$4.00, M-$3.20
B47.1-1974 Gage Blanks, Book No. M00082, L-$20.00, M-$16.00
B55.1-1961 Specifications for Multiple V-Belt Drives, Book No. M00042, L-$2.75, M-$2.20
B56.1-1975 Low Lift and High Lift Trucks, Book No. B00006, L-$6.50, M-$5.20
B73.1-1974 Specifications for Horizontal, End Suction Centrifugal Pumps for Chemical Process, Book No. J00019, L-$4.00, M-$3.20
B73.2-1975 Specifications for Vertical In-Line Centrifugal Pumps for Chemical Process, Book No. J00049, L-$4.50, M-$3.60
B88.1-1972 Guide for Dynamic Calibration of Pressure Transducers, Book No. L00042, L-$5.00, M-$4.00
B88.2-1974 Procedure for Bench Calibration of Tank Level Gaging Tapes and Sounding Rules, Book No. L00043, L-$2.75, M-$2.20
B89.1.6-1976 Measurement of Qualified Plain Internal Diameters for Use as Master Rings and Ring Gages, Book No. L00048, L-$6.00, M-$4.80
B89.1.9-1973 Precision Inch Gage Blanks for Length Measurement (Thru 20 inches), Book No. L00044, L-$5.00, M-$4.00
B89.3.1-1972 Measurement of Out-of-Roundness, Book No. L00020, L-$4.00, M-$3.20
B89.6.2-1973 Temperature and Humidity Environment for Dimensional Measurement, Book No. L00047, L-$6.50, M-$5.20

Cutting Tools, Holders, Drivers, Bushings and Punches

B94.1-1977 Blanks and Semi-Finished Blanks for Solid Carbide Taps, Book No. M00055, L-$5.00, M-$4.00
B94.2-1971 Reamers, Book No. L00028, L-$6.75, M-$5.40
B94.3-1965 (R1972) Straight Cut-Off Blades for Lathes and Screw Machines, Book No. M00056, L-$2.25, M-$1.80
B94.4-1976 Identification System for Indexable Inserts for Cutting Tools, Book No. M00057, L-$3.50, M-$2.80
B94.5-1974 Carbide Blanks and Single-Point Brazed Tools, Book No. N00018, L-$4.00, M-$3.20
B94.6-1966 (R1972) Knurling, Book No. K00022, L-$2.75, M-$2.20
B94.7-1966 (R1972) Hobs, Book No. N00056, L-$3.50, M-$2.80
B94.8-1967 (R1972) Inserted Blade Milling Cutter Bodies, Book No. K00044, L-$2.25, M-$1.80
B94.9-1971 Taps—Cut and Ground Threads, Book No. K00043, L-$6.75, M-$5.40
B94.10-1967 (R1972) High-Speed Steel and Cast Non-Ferrous Single-Point Tools and Tool Holders, Book No. N00034, L-$2.25, M-$1.80
B94.11-1967 (R1972) Twist Drills, Book No. M00027, L-$4.00, M-$3.20
B94.12-1968 Carbide-Tipped Masonry Drills and Blanks for Carbide-Tipped Masonry Drills, Book No. L00013, L-$2.25, M-$1.80
B94.13-1976 Blanks for Carbide Burs, Book No. J00020, L-$4.50, M-$3.60
B94.14-1968 (R1975) Punches—Basic Head Type, Book No. K00052, L-$2.75, M-$2.20
B94.16-1968 (R1975) Retainers—Basic Ball-Lock, Punch and Die Button Light and Heavy Duty, Book No. K00054, L-$2.75, M-$2.20
B94.17-1968 (R1975) Gages—Functional, Ball-Lock Punches, Die Buttons and Retainers, Book No. K00057, L-$2.75, M-$2.20
B94.18-1968 (R1975) Punches—Basic Ball-Lock Light and Heavy Duty, Book No. K00055, L-$3.50, M-$2.80
B94.18.1-1977 Punches—Basic Ball-Lock Light and Heavy Duty (Metric), Book No. M00087, L-$8.00, M-$6.40

B94.19-1977 Milling Cutters and End Mills, Book No. L00008, L-$12.00, M-$9.60
B94.20-1968 Specifications for Carbide Blanks for Twist Drills, Reamers, End Mills, and Random Rod, Book No. K00056, L-$2.75, M-$2.20
B94.21-1968 (R1974) Gear Shaper Cutters, Book No. J00007, L-$4.50, M-$3.60
B94.22-1968 (R1975) Punches—Variable, Head Type, Book No. L00041, L-$4.25, M-$3.40
B94.22.1-1977 Punches—Variable, Head Type, Book No. L00050, L-$7.50, M-$6.00
B94.23-1969 (R1975) Punch Guide Bushings—Variable, Press Fit, Book No. L00040, L-$3.25, M-$2.60
B94.24-76 Heavy Duty Carbide Inserts for Cutting Tools, Book No. L00034, L-$3.50, M-$2.80
B94.25-1975 Indexable Inserts for Cutting Tools, Book No. L00038, L-$14.50, M-$11.60
B94.26-1969 Indexable (Throw-away) Inserts Holders, Book No. L00039, L-$4.75, M-$3.80
B94.27-1970 (R1976) Die Buttons—Basic Taper Relief, Press Fit, Book No. M00041, L-$3.75, M-$3.00
B94.28-1970 (R1976) Die Buttons—Basic Straight Relief, Press Fit, Book No. M00045, L-$3.75, M-$3.00
B94.29-1970 (R1976) Die Buttons—Basic Ball Lock, Book No. M00059, L-$3.75, M-$3.00
B94.29.1-1977 Die Buttons—Basic Ball-Lock (Metric), Book No. M00088, L-$5.00, M-$4.00
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Data Report Forms

Data Report Forms, samples of which are shown in the various Sections of the ASME Boiler and Pressure Vessel Code, may be obtained from the ASME Order Department in pads of 100 sheets each at a cost of $6.00 per pad. Please order by Book Number which follows each title. No member discount.
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A-1A Manufacturers' Data Report for Pressure Vessels (Alternate Form for Single Chamber Completely Shop-Fabricated Vessels Only) (**E00113**)
A-2 Manufacturers' Partial Data Report (A Part of a Pressure Vessel Fabricated by One Manufacturer for Another Manufacturer) (**E00114**)
A-3 Manufacturers' Data Report Supplementary Sheet (**E00119**)
C-1 Constructors' Data Report for Concrete Reactor Vessels and Containments (**E00077**)
C-2 Fabricators' Data Report for Parts of Concrete Reactor Vessels and Containments as Required by the Provisions of the ASME Code, Section III, Division 2 (**E00081**)
H-2 Manufacturers' Data Report for All Types of Boilers Except Water-Tube and Those Made of Cast Iron (**E00101**)
H-3 Manufacturers' Data Report for Water-Tube Boilers (**E00102**)
H-4 Manufacturers' Partial Data Report (**E00103**)
H-5 Manufacturers' Master Data Report for Boilers Constructed from Cast Iron (**E00041**)
HLW-6 Manufacturers' Report for Lined Water Heaters (**E00105**)

HLW-7 Manufacturers' Partial Data Report for Lined Water Heaters (E00106)
HLW-8 Manufacturers' Master Data Proof Test Report for Lined Water Heaters (E00107)
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N-1A Manufacturers' Data Report for Nuclear Vessels (Alternate Form for Single Chamber Completely Shop-Fabricated Vessels Only) (E00039)
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N-5 Data Report for Field Installation of Nuclear Power Plant Components, Component Supports, and Appurtenances (E00025)
N-6 Manufacturers' Data Report for Storage Tanks (E00054)
N-7 Manufacturers' Data Report for Storage Tank Parts and Appurtenances (E00055)
NCS-1 Designers' Data Report for Core Support Structures-Fabricated by Others (E00065)
NCS-1A Fabricators' Data Report for Core Support Structures-Designed by Others (E00066)
NCS-2 Manufacturers' Data Report for Core Support Structures (E00067)
NCS-3 Manufacturers' Data Report for Core Support Structures, as Required by the Provisions of ASME Code Section III, Division 1 (E00078)
NCS-4 Fabricators' Data Report for Core Support Structures and Related Parts for Appurtenances Designed by Others, as Required by the Provisions of ASME Code, Section III, Division 1 (Alternative to Form NCS-1A) (E00079)
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NF-2 Manufacturers' Partial Data Report for Parts for Component Support (E00076)
NIS-1 Owners' Data Report for Inservice Inspection (E00029)
NM-1 Data Report for Tubular Products and Fittings Welded with Filler Metal (E00080)
NPP-1 Fabricated Nuclear Piping (E00062)
NPV-1 Manufacturers' Data Report for Nuclear Pumps or Valves (E00037)
NR-1 Manufacturers' Data Report of Rupture Discs (E00026)
NV-1 Manufacturers' Data Report for Safety and Safety Relief Valves (E00042)
P-2 Manufacturers' Data Report for All Types of Boilers Except Water Tube (E00068)
P-2A Manufacturers' Data Report for All Types Electric Boilers (E00120)
P-3 Manufacturers' Data Report for Water-tube Boilers, Super-heaters, Waterwalls, and Economizers (E00069)
P-3A Engineering - Contractor Data Report for a Complete Boiler Unit (E00070)
P-4 Manufacturers' Partial Data Report (E00071)
P-4A Manufacturers' Data Report for Fabricated Piping (E00072)
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QB-483 Recommended Form-Manufacturers' Record of Brazing Procedure Qualification Tests (E00032)
QB-484 Recommended Form-Performance Specification and Manufacturers' Record of Brazer Qualification Test (E00033)
QW-482 Welding Procedure Specification (WPS) (E00006)
QW-483 Procedure Qualification Record (PQR) (E00007)
QW-484 Manufacturers' Record of Welder or Welding Operator Qualification Tests (E00008)
RP-1 Manufacturers' Data Report for Fiberglass-Reinforced Plastic Pressure Vessels (E00115)
RP-2 Manufacturers' Partial Data Report (E00116)
U-1 Manufacturers' Data Report for Pressure Vessels (E00108)
U-1A Manufacturers' Data Report for Pressure Vessels (Alternate Form for Single Chamber Completely Shop-Fabricated Vessels Only) (E000117)
U-2 Manufacturers' Partial Data Report (A Part of a Pressure Vessel Fabricated by One Manufacturer for Another) (E00110)
U-3 Manufacturers' Certificate of Compliance Covering Pressure Vessels to be Stamped with the UM-Symbol (E00111)
U-4 Manufacturers' Data Report Supplementary Sheet (E00118)

Other Titles of Interest to Boiler and Pressure Vessel Code Users

Companies Holding Boiler and Pressure Vessel Certificates of Authorization for Use of Code Symbol Stamps—1977 Edition (With Winter 1977 Supplement), Book No. E00052, L-$35.00, M-$28.00
Companies Holding Nuclear Certificates of Authorization (One Year Subscription-Issued bimonthly), Book No. E00061, L-$45.00, M-$36.00
Criteria for Design of Elevated Temperature Class 1 Components in Section III, Division 1, of the ASME Boiler and Pressure Vessel Code, 1976, Book No. E00097, L-$20.00, M-$16.00
Criteria of the ASME Boiler & Pressure Vessel Code for Design by Analysis Sections III & VIII, Div. 2, 1969, Book No. I00059, L-$1.50, M-$1.20
Design Criteria of Boilers and Pressure Vessels—1977, Book No. G00114, L-$7.50, M-$6.00
History of the ASME Boiler Code, 1955, Book No. G00028, L-$10.00, M-$8.00
Proposed Section XI—Division 2, Rules for Inspection and Testing of Components of Gas-Cooled Plants, Book No. E00122, L-$30.00, M-$24.00
Proposed Section XI—Division 3, Rules for Inspection and Testing of Components of Liquid Metal Cooled Plants, Book No. E00123, L-$15.00, M-$12.00
Proposed Standard for Acoustic Emisson Examinations During Application of Pressure, 1975, Book No. E00096, L-$2.50, M-$2.00
Sample Analysis of a Piping System: Class 1 Nuclear, 1972, Book No. E00063, L-$4.50, M-$3.60

ASME CODES

Performance Test Codes

Test methods prescribed in the PTC's enable users to obtain accurate information on adaptability of equipment, best methods of operation, capacity and efficiency, and verification of manufacturer's guarantees. Each one contains a check list of items on which agreement should be reached before starting tests, specifies the instruments and testing apparatus needed, lists precautions, gives instructions for computing and tabulating results and shows how to correct results for deviations from specified test conditions.

The Performance Test Codes Committee is following a policy of submitting the PTC Documents to ANSI for approval as American National Standards. The documents that have been approved bear the ANSI/ASME designation. This PTC/ANSI relationship will reduce duplication of effort and promote the consensus standards concept.

ANSI	ASME	
PTC 1-1974	PTC 1-1970	General Instructions (With 1971 Addenda), Book No. C00017, L-$5.00, M-$4.00
PTC 2-1974	PTC 2-1971	Code on Definitions and Values, Book No. C00007, L-$5.50, M-$4.40
PTC 3.1-1974	PTC 3.1-1958	(R 1970) Diesel and Burner Fuels, Book No. D00024, L-$10.00, M-$8.00
PTC 3.2-1974	PTC 3.2-1954	(R 1970) Solid Fuels, Book No. C00023, L-$5.50, M-$4.40
PTC 3.3-1974	PTC 3.3-1969	Gaseous Fuels, Book No. D00038, L-$9.00, M-$7.20
PTC 4.1-1974	PTC 4.1-1964	(R 1973) Steam-Generating Units (With 1968 and 1969 Addenda), Book No. C00025, L-$10.00, M-$8.00
		Diagram for Testing of a Steam Generator, Figure 1 (Pad of 100), Book No. C00038, L-$6.00, M-$6.00
		Heat Balance of a Steam Generator, Figure 2 (Pad of 100), Book No. C00039, L-$6.00, M-$6.00
	PTC 4.1a-1964	ASME Test Form for Abbreviated Efficiency Test—Summary Sheet (Pad of 100), Book No. C00036, L-$6.00, M-$6.00
	PTC 4.1b-1964	(R 1965) ASME Test Form for Abbreviated Efficiency Test—Calculation Sheet (Pad of 100), Book No. C00037, L-$6.00, M-$6.00
PTC 4.2-1974	PTC 4.2-1969	Coal Pulverizers, Book No. C00006, L-$4.50, M-$3.60
PTC 4.3-1974	PTC 4.3-1968	Air Heaters, Book No. D00034, L-$7.00, M-$5.60
	PTC 5-1949	Reciprocating Steam Engines, Book No. C00022, L-$2.75, M-$2.20
PTC 6-1976	PTC 6-1976	Steam Turbines, Book No. C00028, L-$15.00, M-$12.00
Appendix to ANSI PTC 6-1974	PTC 6A-1964	(R 1973) Appendix A to Test Code for Steam Turbines (With 1968 Addenda), Book No. C00029, L-$6.50, M-$5.20
PTC 6 Report-1974	PTC 6 Report-1969	(R 1973) Guidance for Evaluation of Measurement Uncertainty in Performance Tests of Steam Turbines, Book No. D00041, L-$5.00, M-$4.00
PTC 6S Report-1974	PTC 6S Report-1970	(R 1973) Simplified Procedures for Routine Performance Tests of Steam Turbines, Book No. D00042, L-$11.00, M-$8.80
	PTC 7-1949	(R 1969) Reciprocating Steam-Driven Displacement Pumps, Book No. C00021, L-$2.50, M-$2.00
	PTC 7.1-1962	(R 1969) Displacement Pumps, Book No. D00026, L-$4.00, M-$3.20
	PTC 8.2-1965	Centrifugal Pumps (With 1973 Addenda), Book No. C00005, L-$5.00, M-$4.00
	1973 Addendum to PTC 8.2-1965	Centrifugal Pumps, Book No. C00002, L-$1.25, M-$1.00
PTC 9-1974	PTC 9-1970	Displacement Compressors, Vacuum Pumps and Blowers (With 1972 Errata, Book No. C00009, L-$8.00, M-$6.40
PTC 10-1974	PTC 10-1965	(R 1973) Compressors and Exhausters, Book No. C00004, L-$8.00, M-$6.40
PTC 12.1-1975	PTC 12.1-1955	(R 1975) Feedwater Heaters, Book No. C00013, L-$6.00, M-$4.80
PTC 12.2-1975	PTC 12.2-1955	(R 1975) Steam Condensing Apparatus, Book No. C00026, L-$8.00, M-$6.40
PTC 12.3-1977	PTC 12.3-1977	Deaerators, Book No. D00023, L-$10.00, M-$8.00

ANSI	ASME	
PTC 14-1974	PTC 14-1970	Evaporating Apparatus, Book No. C00011, L-$5.00, M-$4.00
PTC 16-1974	PTC 16-1958	(R 1971) Gas Producers and Continuous Gas Generators, Book No. C00014, L-$5.50, M-$4.40
PTC 17-1974	PTC 17-1973	Reciprocating Internal-Combustion Engines, Book No. C00020, L-$7.50, M-$6.00
	PTC 18-1949	Hydraulic Prime Movers, Book No. C00018, L-$5.00, M-$4.00
PTC 20.1-1977	PTC 20.1-1977	Speed and Load-Governing Systems for Steam Turbine-Generator Units, Book No. C00019, L-$12.00, M-$9.60
	PTC 20.2-1965	Overspeed Trip Systems for Steam Turbine-Generator Units, Book No. C00041, L-$5.00, M-$4.00
PTC 20.3-1974	PTC 20.3-1970	Pressure Control Systems Used on Steam Turbine Generator Units, Book No. C00027, L-$9.00, M-$7.20
	PTC 21-1941	Dust Separating Apparatus, Book No. D00021, L-$4.00, M-$3.20
PTC 22-1974	PTC 22-1966	(R 1973) Gas Turbine Power Plants Book No. C00015, L-$8.00, M-$6.40
	PTC 23-1958	Atmospheric Water Cooling Equipment, Book No. D00022, L-$6.00, M-$4.80
PTC 24-1976	PTC 24-1976	Ejectors, Book No. C00010, L-$7.50, M-$6.00
PTC 25.3-1976	PTC 25.3-1976	Safety and Relief Valves, Book No. D00031, L-$12.00, M-$9.60
		1977 Addendum to ANSI/ASME PTC 25.3-1976 Safety and Relief Valves, Book No. D00032, L-$1.00, M-$.80
	PTC 26-1962	Speed Governing Systems for Internal Combustion Engine-Generator Units, Book No. D00027, L-$4.00, M-$3.20
	PTC 27-1957	Determining Dust Concentration in a Gas Stream, Book No. C000-08, L-$5.00, M-$4.00
PTC 28-1974	PTC 28-1965	(R 1973) Determining the Properties of Fine Particulate Matter, Book No. D00030, L-$6.00, M-$4.80
	PTC 29-1965	Speed-Governing Systems for Hydraulic Turbine-Generator Units, Book No. C00040, L-$5.75, M-$4.60
PTC 31-1974	PTC 31-1973	Ion Exchange Equipment, Book No. C00016, L-$6.00, M-$4.80
PTC 32.1-1974	PTC 32.1-1969	Nuclear Steam Supply Systems, Book No. C00012, L-$6.50, M-$5.20
	PTC 34 Draft	Draft ASME Code for In-Service Testing of Valves in Nuclear Power Plants, Book No. C000-43, L-$4.50, M-$3.60
	PTC 35 Draft (April 1970)	Draft ASME Code for In-Service Testing of Pumps in Nuclear Power Plants, Book No. C00042, L-$2.75, M-$2.20

PTC Supplements on Instruments and Apparatus

	PTC 19.2-1964	Pressure Measurement, Book No. D00029, L-$9.00, M-$7.20
PTC 19.3-1974	PTC 19.3-1974	Temperature Measurement, Book No. C00035, L-$16.00, M-$12.80
	PTC 19.5-1972	Application, Part II of Fluid Meters: Interim Supplement on Instruments and Apparatus, Book No. G00018, L-$14.00, M-$11.20
	PTC 19.5.1-1964	Weighing Scales, Book No. D00028, L-$3.75, M-$3.00
	PTC 19.6-1955	Electrical Measurements in Power Circuits, Book No. D00007, L-$7.00, M-$5.60
	PTC 19.7-1961	Measurement of Shaft Horsepower, Book No. D00009, L-$5.00, M-$4.00
PTC 19.8-1974	PTC 19.8-1970	Measurement of Indicated Horsepower, Book No. D00008, L-$5.50, M-$4.40
PTC 19.10-1974	PTC 19.10-1968	Flue and Exhaust Gas Analyses, Book No. C00031, L-$5.50, M-$4.40
PTC 19.11-1974	PTC 19.11-1970	Water and Steam in the Power Cycle (Purity and Quality, Leak Detection and Measurement), Book No. D00011, L-$9.00, M-$7.20
	PTC 19.12-1958	Measurement of Time, Book No. D00012, L-$2.75, M-$2.20
	PTC 19.13-1961	Measurement of Rotary Speed, Book No. D00013, L-$4.00, M-$3.20
	PTC 19.14-1958	Linear Measurements, Book No. D00014, L-$3.50, M-$2.80
	PTC 19.16-1965	Density Determinations of Solids and Liquids, Book No. D00016, L-$3.75, M-$3.00
	PTC 19.17-1965	Determination of the Viscosity of Liquids, Book No. D00017, L-$4.00, M-$3.20
	(Not a PTC)	The Philosophy of Power Test Codes and Their Development, Book No. I00056, L-$2.50, M-$2.00
		Binders for Performance Test Codes —Blue cloth, 8-1/2 × 11 with rods, Book No. C00003, L-$7.50, M-$6.00

ASME Standards

APS-1 Recommended Guide for the Control of Dust Emissions—Combustion for Indirect Heat Exchangers 1968, Book No. N00055, L-$2.75, M-$2.20

—— Discussion on ASME Standard APS-1, 1967, Book No. G00049, L-$2.75, M-$2.20

APS-2 Recommended Guide for the Control of Oxides of Sulfur (With Supplement) 1970, Book No. N00051, L-$3.50, M-$2.80

—— Supplement only, Book No. N00054, L-$1.25, M-$1.00

No. 101 Operation and Flow Process Charts 1972, Book No. L00017, L-$4.00, M-$3.20

No. 102 Form for Use in Self-Appraisal of Industrial Plants 1947, Book No. M00001, L-$2.75, M-$2.20

No. 104 One-Piece Metallic Piston Rings 1954, Book No. L00016, L-$2.25, M-$1.80

No. 111 Recommended Practices for the Design of Marine Propulsion Turbine Lubricating Systems 1960, Book No. J00036, L-$2.25, M-$1.80

No. 112 Diaphragm Actuated Control Valve Terminology 1961, Book No. L00036, L-$2.25, M-$1.80

No. 113 Recommended Practices for the Flushing and Cleaning of Marine Propulsion Turbine Lubricating Systems 1964, Book No. M00051, L-$2.25, M-$1.80

No. 114 Recommended Practices for the Purification of Marine Propulsion Turbine Lubricating Oil 1964, Book No. M00052, L-$2.25, M-$1.80

No. 115 Recommended Practices for the Design, Operation and Maintenance of Marine Auxiliary Machinery Lubricating Systems 1968 (Includes ASME Standards No. 115A (Design Section only) Recommended Practices for the Design of Steam Turbine Driven Generator Lubricating Systems; 115B Recommended Practices for the Design of Marine Steam Turbine Driven Boiler Feed Pumps Lubricating Systems; 115C Recommended Practices for the Design of Marine Steam Turbine Driven Blowers Lubricating Systems), Book No. K00046, L-$4.00, M-$3.20

No. 115D Recommended Practices or the Design of Lubricating Systems for Marine Steam Turbine Pumps for Various Ships Services 1969, Book No. K00059, L-$2.75, M-$2.20

No. 116 Recommended Practices for the Design of Steam Turbine Generator Oil Systems 1968, Book No. K00047, L-$2.75, M-$2.20

No. 117 Recommended Practices for the Cleaning of Steam Turbine Generator Oil Systems 1968, Book No. K00048, L-$2.75, M-$2.20

No. 118 Recommended Practices for the Purification of Steam Turbine Generator Oil 1968, Book No. K00049, L-$2.75, M-$2.20

No. 119 Recommended Practices for the Flushing and Cleaning of Marine Auxiliary Machinery Lubricating Systems 1968, Book No. K00050, L-$2.75, M-$2.20

No. 120 Recommended Practices for the Design of Gas Turbine Generator Lubricating Oil Systems 1969, Book No. K00058, L-$2.75, M-$2.20

No. 121 Recommended Practices for the Purification of Lubricating Oil in Marine Steam Turbine Driven Auxiliary Machinery 1969, Book No. K00060, L-$2.75, M-$2.20

CSD-1 ASME Safety Code-Controls and Safety Devices for Automatically Fired Boilers, Book No. A00091, L-$7.50, M-$6.00

LOS-2C1 ASTM-ASME Recommended Practices for the Flushing and Cleaning of Lubricating Systems of Various Turbine Driven Pumps for Marine Service, Book No. K00062, L-$3.50, M-$2.80

LOS-4C1 ASTM-ASME Recommended Practices for Flushing and Cleaning of Gas Turbine Generator Lubricating Oil Systems, Book No K00063, L-$3.50, M-$2.80

LOS-5C1 ASTM-ASME Recommended Practices for the Flushing and Cleaning of Oil Systems for Lubrication and Control of Hydroelectric Equipment, Book No. K00065, L-$3.50, M-$2.80

LOS-5D1 ASTM-ASME Recommended Practices for the Design of Oil Systems for Lubrication and Control of Hydroelectric Equipment, Book No. K00068, L-$3.50, M-$2.80

LOS-5P1 ASTM-ASME Recommended Practice for the Purification of Oil Systems for Lubrication and Control of Hydroelectric Equipment, Book No. K00064, L-$3.50, M-$2.80

TWDPS-1 Recommended Practices for the Prevention of Water Damage to Steam Turbines Used for Electric Power Generation: Part I—Fossil Fueled Plants 1972, Book No. K00066, L-$4.00, M-$3.20

TWDPS-1 Recommended Practices for the Prevention of Water Damage to Steam Turbines Used for Electric Power Generation: Part II—Nuclear Fueled Plants 1973, Book No. K00072, L-$4.00, M-$3.20

—— Draft ASME Code for Pumps and Valves for Nuclear Power 1968 (With 1970 Addenda), Book No. N00047, L-$5.50, M-$4.40
Addenda only, Book No. N00050, L-$2.25, M-$1.80

—— ASME Guide for Gas Transmission and Distribution Piping Systems—1976 (Including all Addenda through December 1978), Book No. A00030, L-$100.00, M-$80.00

—— Binder for Gas Guide, Book No. A00028, L-$7.50, M-$6.00

BOOKS AND REPORTS

Aerospace

Annals of Reliability and Maintainability, 1971, Book No. H00025, L-$25.00, M-$12.50
Integrated Design and Analysis of Aerospace Structures, 1975, Book No. G00096, L-$12.00, M-$6.00
Measurement and Prediction of Structural and Biodynamic Crash-Impact Response, 1976, Book No. G00107, L-$20.00, M-$10.00
Reliability and Maintainability (Reprinted from Mechanical Engineering), 1966, Book No. H00054, L-$2.00, M-$1.00
1968 Reliability and Maintainability Conference Proceedings—"Annals of Assurance Sciences," 1968, Book No. I00053, L-$27.00, M-$13.50
Space Systems and Thermal Technology for the 70's; Aviation & Space Papers —Part I, 1970, Book No. I00073, L-$45.00, M-$22.50; Heat Transfer Papers—Part II, 1970, Book No. I00074, L-$45.00, M-$22.50
Structural Dynamic Aspects of Bladed-Disk Assemblies, 1976, Book No. H00098, L-$14.00, M-$7.00

Air Pollution

Ambient Air Quality Standards—Here We Are, What Do We Do? 1976, Book No. I00099, L-$30.00, M-$15.00
Cooling Tower Plume Modeling and Drift Measurement—A Review of the State-of-the-Art, 1975, Book No. H00088, L-$25.00, M-$12.50
Recommended Guide for the Prediction of the Disperision of Airborne Effluents —Second Edition, 1973, Book No. H00037, L-$6.00, M-$3.00

Applied Mechanics

Isolation of Mechanical Vibration, Impact and Noise—AMD-Vol. 1, 1973, Book No. G00047, L-$25.00, M-$12.50
Biomechanics Symposium—AMD-Vol. 2, 1973, Book No. G00033, L-$12.00, M-$6.00
Rock Mechanics Sympcsium—AMD-Vol. 3, 1973, Book No. I00012, L-$12.50, M-$6.25
Mechanics and Sport—AMD-Vol. 4, 1973, Book No. H00007, L-$25.00, M-$12.50
Surveys of Research in Transportaiion Technology—AMD-Vol. 5, 1973, Book No. H00006, L-$18.00, M-$9.00
Numerical Solutions of Nonlinear Problems—AMD-Vol. 6, 1973, Book No. H00036, L-$20.00, M-$10.00
Structural Optimization Symposium—AMD-Vol. 7, 1974, Book No. I00042, L-$18.00, M-$9.00
Applied Mechanics in Earthquake Engineering—AMD-Vol. 8, 1974, Book No. I00020, L-$22.00, M-$11.00
Reliability Design for Vibroacoustic Environments—AMD-Vol. 9, 1974, Book No. I00047, L-$18.00, M-$9.00
1975 Biomechanics Symposium—AMD-Vol. 10, 1975, Book No. I00090, L-$16.00, M-$8.00
Boundary-Integral Equation Method: Computational Applications in Applied Mechanics—AMD-Vol. 11, 1975, Book No. I00089, L-$14.00, M-$7.00
Vibration Testing—Instrumentation and Data Analysis—AMD-Vol. 12, 1975, Book No. I00091, L-$14.00, M-$7.00
Inelastic Behavior of Composite Materials—AMD-Vol. 13, 1975, Book No. I00093, L-$20.00, M-$10.00
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Mechanics of Transportation Suspension Systems—AMD-Vol. 15, 1975, Book No. I00095, L-$12.00, M-$6.00
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Propagation of Shock Waves in Solids—AMD-Vol. 17, 1976, Book No. I00102, L-$16.00, M-$8.00
Computing in Applied Mechanics—AMD-Vol. 18, 1976, Book No. I00108, L-$20.00, M-$10.00
Mechanics of Fracture—AMD-Vol. 19, 1976, Book No. I00105, L-$20.00, M-$10.00
Constitutive Equations in Viscoplasticity: Computational and Engineering Aspects—AMD-Vol. 20, 1976, Book No. I00106, L-$20.00, M-$10.00
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The Mechanics of Viscoelastic Fluids-AMD-Vol. 22, 1977, Book No. I00110, L-$20.00, M-$10.00
1977 Biomechanics Symposium-AMD-Vol. 23, 1977, Book No. I00111, L-$30.00, M-$15.00
Passenger Vibration in Transportation Vehicles-AMD-Vol. 24, 1977, Book No. I00112, L-$15.00, M-$7.50
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Experimental Techniques in Shock and Vibrations, 1962, Book No. G00002, L-$9.00, M-$4.50
Fluid-Solid Interaction, 1967, Book No. G00059, L-$13.50, M-$6.75
Mathematical Theory of Dislocations, 1969, Book No. I00036, L-$16.50, M-$8.25
Proceedings of the U.S. National Congress of Applied Mechanics
7th—1974, Book No. G00085, L-$25.00, M-$12.50
6th—1970, Book No. G00078, L-$12.50, M-$6.25
4th—1962, Book No. H00024, L-$44.00, M-$22.00
Surface Crack: Physical Problems and Computational Solutions, 1972, Book No. H00029, L-$20.00, M-$10.00
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Synthesis of Vibrating Systems, 1971, Book No. H00072, L-$15.00, M-$7.50
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1973 Biomechanics Symposium—AMD-Vol. 2, 1973, Book No. G00033, L-$12.00, M-$6.00
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Controls

Control of Distributed Parameter Systems, 1969, Book No. G00032, L-$5.00,, M-$2.50
Differential Games: Theory and Applications, 1970, Book No. G00066, L-$6.00 M-$3.00
Dynamics of Automatic Controls, 1948, Book No. G00014, L-$7.00, M-$3.50
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Design for Elevated Temperature Environment, 1971, Book No. G00035, L-$7.50, M-$3.75
Design Technology Transfer, 1974, Book No. H00017, L-$40.00, M-$20.00
Designing for High Impact Technology, 1967, Book No. G00048, L-$3.50, M-$1.75
Failure Prevention and Reliability, 1977, Book No. H00101, L-$30.00, M-$15.00
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Flexible Rotor-Bearing System Dynamics:
Part I—Critical Speeds and Response of Flexible Rotor Systems, 1972, Book No. H00042, L-$5.00, M-$2.50
Part II—Bearing Influence and Representation in Rotor Dynamics Analysis, 1972, Book No. H00046, L-$3.50, M-$1.75
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New Design Standards for Flexible Couplings, 1966, Book No. H00050, L-$3.50, M-$1.75
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Discussions only, Book No. H00008, L-$2.00, M-$1.00
Applications of Fluid Mechanics to Wind Engineering, 1975, Book No. I00088, L-$3.50, M-$1.75
Cavitation and Polyphase Flow Forum,—1977, Book No. I00109, L-$8.00, M-$4.00
Cavitation and Polyphase Flow Forum—1976, 1976, Book No. I00097, L-$10.00, M-$5.00

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Cavitation in Fluid Machinery (With Discussion Booklet), 1965, Book No. H00043, L-$16.00, M-$8.00
Discussions only, Book No. H00062, L-$2.50, M-$1.25
Cavitation Research Facilities and Techniques (Including Discussions), 1964, Book No. I00044, L-$12.50, M-$6.25
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